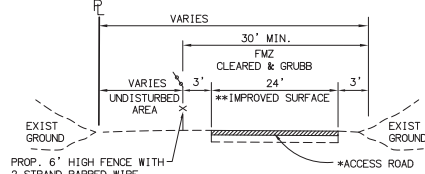


PRIMARY ACCESS ROAD / EASEMENT
NOT TO SCALE

* ALL WEATHER MIN. 50,000 lbs. FIRE APPARATUS BEARING LOAD WITH BINDING AGENT.

TYPICAL SECTION PERIMETER FIRE ACCESS ROAD (ALONG EAST & SOUTH PROPERTY BOUNDARY)
NOT TO SCALE

* ALL WEATHER MIN. 50,000 lbs. FIRE APPARATUS BEARING LOAD WITH BINDING AGENT.
**TYPICAL LOCATION UNLESS SHOWN OTHERWISE ON SITE PLAN.



TYPICAL SECTION PERIMETER FIRE ACCESS ROAD (ADJACENT TO UNDISTURBED AREA)
NOT TO SCALE

* ALL WEATHER MIN. 50,000 lbs. FIRE APPARATUS BEARING LOAD WITH BINDING AGENT.
**TYPICAL LOCATION UNLESS SHOWN OTHERWISE ON SITE PLAN.

LEGEND:

PROPERTY BOUNDARY/MAJOR USE PERMIT BOUNDARY	---
EXISTING EASEMENT	---
EXISTING CONTOUR	(75)
EXISTING SPOT GRADE	74.7
PROPOSED GRADING	75
PROPOSED SPOT GRADE	59.0
PROPOSED LIMITS OF GRADING	---
EXISTING FENCE	---
PROP. 6" CHAINLINK FENCE WITH 2 STRAND BARBED WIRE	X X
DIRECTION OF DRAINAGE FLOW	2% →
EXISTING ACCESS	---
PROP. 24" FIRE ACCESS ROAD-ALL WEATHER 10% MAX. SLOPE	---
PROPOSED EQUIPMENT PAD	---
EXISTING OVERHEAD POWERLINE	---
EXISTING POWER POLE	---
EXISTING WATER WELL	---
PROPOSED WATER WELL	---

FIXED AXIS RACK SYSTEM IMPERVIOUS SURFACES TABLE

ITEM DESCRIPTION	#	TOTAL AREA	UNIT
SUBSTATION	1	25,000	SF
SWITCHGEAR YARD	1	40,000	SF
O & M BUILDING	1	1,040	SF
TRANSFORMER/INVERTER PAD(15'x40')	42	25,200	SF
4" DIA. PIER	45,547	0.1	SF
WATER TANK, 10,000 GAL. 12' DIA.	2	800	SF
TOTAL		92,040	SF

TOTAL IMPERVIOUS AREA BEFORE PROJECT: 0.04 AC
TOTAL IMPERVIOUS AREA AFTER PROJECT: 2.11 AC

DUAL AXIS RACK SYSTEM IMPERVIOUS SURFACES TABLE

ITEM DESCRIPTION	#	TOTAL AREA	UNIT
SUBSTATION	1	25,000	SF
SWITCHGEAR YARD	1	40,000	SF
O & M BUILDING	1	1,040	SF
TRANSFORMER/INVERTER PAD(15'x40')	46	27,600	SF
20" DIA. PIER	12,286	26,783	SF
WATER TANK, 10,000 GAL. 12' DIA.	2	800	SF
TOTAL		121,223	SF

TOTAL IMPERVIOUS AREA BEFORE PROJECT: 0.04 AC
TOTAL IMPERVIOUS AREA AFTER PROJECT: 2.78 AC

SINGLE AXIS RACK SYSTEM IMPERVIOUS SURFACES TABLE

ITEM DESCRIPTION	#	TOTAL AREA	UNIT
SUBSTATION	1	25,000	SF
SWITCHGEAR YARD	1	40,000	SF
O & M BUILDING	1	1,040	SF
TRANSFORMER/INVERTER PAD(15'x40')	28	16,800	SF
4" DIA. PIER	45,547	0.1	SF
6" DIA. PIER	3600	0.2	SF
WATER TANK, 10,000 GAL. 12' DIA.	2	800	SF
TOTAL		83,640	SF

TOTAL IMPERVIOUS AREA BEFORE PROJECT: 0.04 AC
TOTAL IMPERVIOUS AREA AFTER PROJECT: 1.92 AC

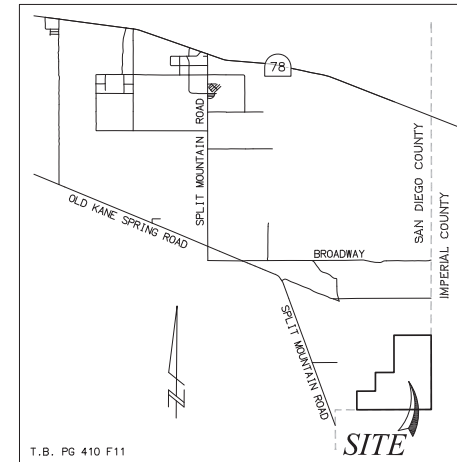
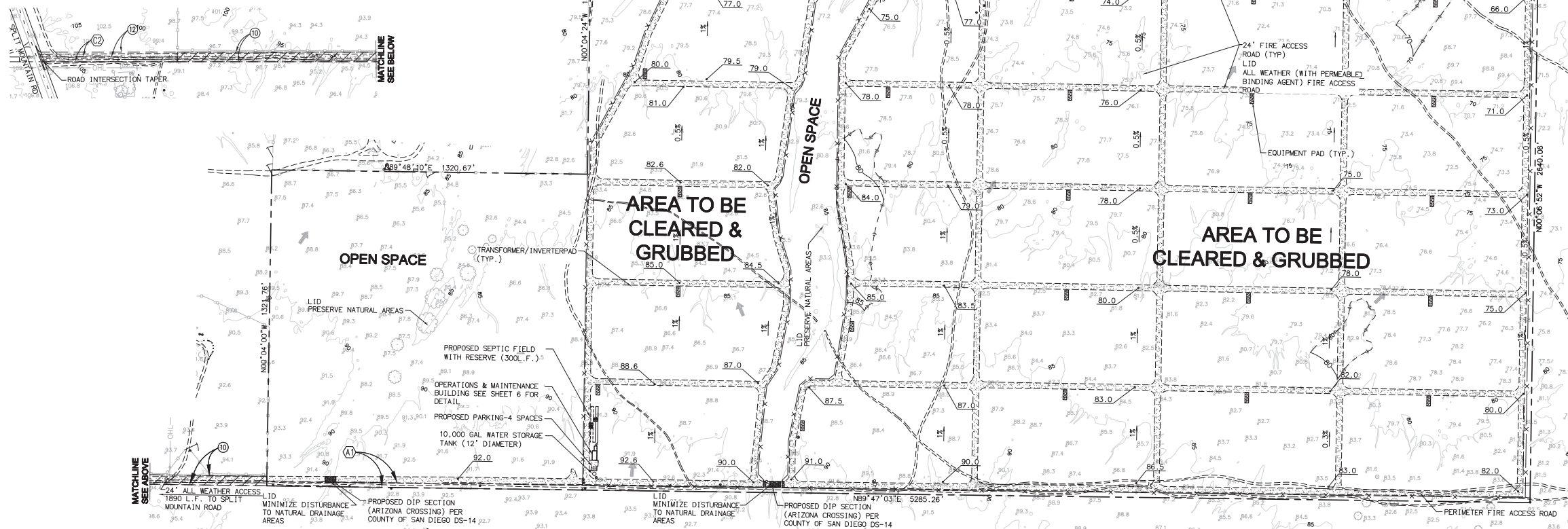
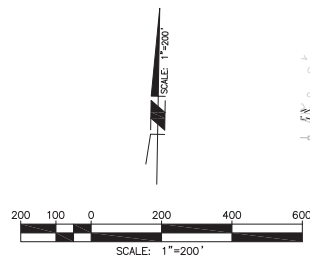
DUAL AXIS TRACKER UNITS IMPERVIOUS SURFACES TABLE

ITEM DESCRIPTION	#	TOTAL AREA	UNIT
SUBSTATION	1	25,000	SF
SWITCHGEAR YARD	1	40,000	SF
O & M BUILDING	1	1,040	SF
TRANSFORMER/INVERTER PAD(15'x40')	40	24,000	SF
24" DIA. PIER	2369	7439	SF
WATER TANK, 10,000 GAL. 12' DIA.	2	800	SF
TOTAL		76,679	SF

TOTAL IMPERVIOUS AREA BEFORE PROJECT: 0.04 AC
TOTAL IMPERVIOUS AREA AFTER PROJECT: 1.76 AC

NOTES

- GROSS AREA: 440.53 ACRES
- DEVELOPMENT AREA: 338.10 ACRES
- TOPOGRAPHIC SOURCE: VERTICAL MAPPING, 4/20/2011
- THIS PLAN IS PROVIDED TO ALLOW FOR FULL AND ADEQUATE DISCRETIONARY REVIEW OF A PROPOSED DEVELOPMENT PROJECT. THE PROPERTY OWNER ACKNOWLEDGES THAT ACCEPTANCE OR APPROVAL OF THIS PLAN DOES NOT CONSTITUTE AN APPROVAL TO PERFORM ANY GRADING SHOWN HEREON, AND AGREES TO OBTAIN VALID GRADING PERMISSIONS BEFORE COMMENCING SUCH ACTIVITY.
- PROPOSED SLOPE RATIOS: N/A
- ALL DISTURBED AREAS WILL BE SURFACED WITH GRAVEL OR A BINDING AGENT TO REDUCE DUST.
- AVERAGE SLOPE: 4.1% - NO RPO STEEP SLOPES ONSITE.
- GRADING PLAN APPLIES TO ALL FOUR SOLAR TECHNOLOGY SYSTEM ALTERNATIVES INCLUDED IN THE MAJOR USE PERMIT APPLICATION. GRADING, ROADS AND EQUIPMENT PADS LOCATIONS ARE SHOWN AS TYPICAL.



EXISTING EASEMENTS

DESCRIPTION	DISPOSITION
① ACCESS EASEMENT - BOY SCOUTS OF AMERICA	TO REMAIN
② ACCESS EASEMENT - GILDRED BUILDING CO.	TO OUTCLAIM
③ 20' PUBLIC HIGHWAY EASEMENT	TO REMAIN
④ 20' PUBLIC HIGHWAY EASEMENT	TO REMAIN
⑤ 40' PRIVATE ACCESS/UTILITY EASEMENT	TO REMAIN

⑥ BASED ON DATA FROM PRELIMINARY TITLE REPORT BY CHICAGO TITLE COMPANY, ORDER NO. 930015382-050, DATED JULY 29, 2009.

RECORDED EASEMENTS

DESCRIPTION
⑦ 40' PRIVATE ACCESS/UTILITY EASEMENT - 2010-0512253
⑧ 20' PRIVATE ACCESS/UTILITY EASEMENT - 2012-0230125

SUMMARY OF LID/SITE DESIGN BMPs

- PRESERVE NATURAL AREAS
- MINIMIZE DISTURBANCE TO NATURAL DRAINAGE AREAS
- MINIMIZE & DISCONNECT IMPERVIOUS SURFACES
- MINIMIZE SOIL COMPACTION
- UNMANNED FACILITY, PERSONNEL WILL ONLY BE ONSITE IN THE EVENT OF REQUIRED MAINTENANCE ACTIVITIES

SUMMARY OF SOURCE CONTROL BMPs

- EQUIPMENT CLEANING (SOLAR PANELS, NOT VEHICLES OR OTHER MECHANICAL EQUIPMENT) WILL BE TERMINATED PRIOR TO CAUSING RUNOFF
- BINDING AGENT TO ALL ACCESS ROADS AND ON ALL DISTURBED OR EXPOSED SURFACE AREAS

TOPOGRAPHY AND GRADING

VOLUME OF CUT: 370,000 CY
VOLUME OF FILL: 370,000 CY
EXPORT/IMPORT: 0 CY
GRADING QUANTITIES SHOWN ARE RAW CUT AND FILL VOLUMES.

MAXIMUM SITE RETAINING WALL HEIGHT: N/A
OUT SLOPE HEIGHT: N/A
FILL SLOPE HEIGHT: N/A

TOTAL DISTURBED AREA BEFORE PROJECT: 4.00 AC
TOTAL DISTURBED AREA AFTER PROJECT: 338.10 AC

ASSESSOR PARCEL NUMBER

253-390-57 253-390-58

LEGAL DESCRIPTION

THE SOUTHEAST QUARTER OF SECTION 36, THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER, THE EAST HALF OF THE SOUTHWEST QUARTER AND THE NORTHEAST QUARTER OF SECTION 36, TOWNSHIP 12 SOUTH, RANGE 8 EAST, SAN BERNARDO MERIDIAN, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO UNITED STATES GOVERNMENT SURVEY.

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM (NAD83) ZONE 6, BASED LOCALLY UPON THE FOLLOWING CORN STATIONS PH P487, PH P488 & PH USGC AS PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER

BENCHMARK

ELEVATIONS AS SHOWN HEREON ARE IN TERMS OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) PER NGS DATA SHEETS DX0333, DX0335, & DX0338 BASED LOCALLY UPON THE FOLLOWING NGS BENCH MARKS. (NGS ELEVATIONS DERIVED FROM VERTCON TO CONVERT FROM NAVD83)
BM H 579 = 28.30 DATUM: NAVD88
BM K 579 = 28.30 DATUM: NAVD88
BM M 579 = 28.30 DATUM: NAVD88

OWNER/APPLICANT

GILDRED BUILDING COMPANY
550 WEST C STREET, SUITE 1820
SAN DIEGO, CA 92101
(619) 683-5544
CONTACT: RICH GEISLER

**SDC PDS RCVD 04-18-13
MUP12-004**

**OCOTILLO WELLS SOLAR
COUNTY OF SAN DIEGO, CA
PRELIMINARY GRADING PLAN
3300-12-004 (MUP) 3912-12-12-001 (ER)**

**MARCH 1, 2013
SHEET 1 OF 1**



PLANNING • DESIGN • CONSTRUCTION
RBF CONSULTING
1000 CLARK STREET, SUITE 200
SAN DIEGO, CALIFORNIA 92101
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